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TITLE: HIGH-RELIABILITY COMPUTER SYSTEM AND
RESTORATION METHOD
THEREFOR
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ABSTRACT:

PROBLEM TO BE SOLVED: To replace a processor board without stopping a system by shifting a process of an old basic processor board to a new basic processor board after saving it in a main storage device, and stopping and removing the old basic processor board from the slot.

SOLUTION: Slots into which boards are inserted are provided on system buses 1-1 and 10-2. The board of a main storage device and basic processor boards consisting of processors which perform the same operation are inserted and operate. Then this system shifts a process of the old basic processor board, where a fault occurs and operation is carried on with a partial circuit, to a new basic processor board after saving it in a main storage device 3-1 and places the board in operation, and the old basic processor board is stopped and removed from the slot, thus making a recovery from a degenerative operation due to certain processor fault.

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